Rel.88	11/01	Pub.605)

FORM 5-1

ractitioner's Docket No.

NEB-163-PUS

PATENT

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Comb, et al.

0 9 /936,588 Group No.: Application No.: Filed: May :23; 2000, ... Examiner:

Method For Generating Split, Non-Transferable Genes That Are Able

To Express An Active Protein Product

**Box Missing Part Assistant Commissioner for Patents** Washington, D.C. 20231

#### COMPLETION OF FILING REQUIREMENTS — NONPROVISIONAL APPLICATION

(check and complete this item, if applicable)

1. []	This replies to the Notice to File Missing Parts of Application (PTO-1533) mailed		
NOTE:	If these papers are filed before the office letter issues, adequate identification of the original paper should be made, e.g., in addition to the name of the inventor and title of invention, the filing date base on the "Express Mail" procedure, the serial number from the return post card or the attorney's dock number added.		
	A copy of the Notice to File Missing Parts of Application—Filing Date Granted (Form PTO-1533) is enclosed.		
NOTE:	The PTO requires that a copy of Form PTO-1533 be returned with the response to the notice to file missing parts to the application.		
	CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10* (When using Express Mail, the Express Mail label number is mandatory; Express Mail certification is optional.)		
hereby o	certify that, on the date shown below, this correspondence is being:		
	MAILING		
	sited with the United States Postal Service in an envelope addressed to the Assistant Commissioner atents, Washington, D.C. 20231		

37 C.F.R. § 1.8(a) with sufficient postage as first class mail.

as "Express Mail Post Office-to Addressee" (mandatory)

37 C.F.R. § 1.10 \*

Mailing Label No.

facsimile transmitted to the Patent and Trademark

Melissa

Jackson (type or print name of person certifying)

\* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of malling or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

(Completion of Filing Requirements- Nonprovisional Application [5-1]-page 1 of 6)

## **DECLARATION OR OATH**

ii.	X	No declaration or oath was filed. Enclosed is the original declaration or oath for this application.
NOTE		If the correct inventor or inventors are not named on filing a nonprovisional application under § 1.53(b) without an executed oath or declaration under § 1.63, the later submission of an executed oath or declaration under § 1.63 during the pendency of the application will act to correct the earlier identification of inventorship. 37 C.F.R. § 1.48(f)(1).
		OR
		The declaration or oath that was filed was determined to be defective. A new original oath or declaration is attached.
NOTE	:	For surcharge fee for filing declaration after filing date complete item VI(3) below.
NOTE		"The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 C.F.A. § 1.63:
		"(A) application number (consisting of the series code and the serial number, e.g., 08/123,456);
		"(B) serial number and filing date;
		"(C) attorney docket number which was on the specification as filed;
		"(D) title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or
		"(E) title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."
		M.P.E.P. § 601.01(a), 7th Ed.
NOTE		Another minimum found acceptable in the declaration is the filing date (i.e., date of express mail) and the express mail number, useful where the serial number is not yet known. But note the practice where the express mail deposit is a Saturday, Sunday or holiday within the District of Columbia. 37 C.F.R. § 1.10(c).
		(complete (c) or (d), if applicable)
Attach	ed	l is a
(c)		Statement by a registered attorney that the application filed in the PTO is the application that the inventor executed by signing the declaration.
(d)		Statement that the "attached" specification is a copy of the specification and any amendments thereto that were filed in the PTO to obtain the filing date.
		AMENDMENT CANCELLING CLAIMS
111.		Cancel claims inclusive.
		(Completion of Filing Requirements— Nonprovisional Application [5-1]—page 2 of 6)

# TRANSMITTAL OF ENGLISH TRANSLATION

		OF NON-ENGLISH LANGUAGE PAPER	S
		Submitted herewith is an English translation of the application papers as originally filed. Also submitted here the translator of the accuracy of the translation. It translation be used as the copy for examination purpos	ewith is a statement by is requested that this ses in the PTO.
		or fee processing a non-English application, complete item VI(5) below. non-English oath or declaration in the form provided by the PTO need	
NOT		1.69(b).	not be translated. 37 C.F.H.
		SMALL ENTITY STATUS	
V.			
a.	X	An assertion that this filing is by a small entity	
		(check and complete applicable items)	
		is attached.	
		was filed on (original).	
		was made by paying the basic filing fee as a small	l entity.
		is being made now by paying the basic filing fee a	is a small entity.
b.		A separate refund request accompanies this paper.	
		COMPLETION FEES	
VI.			
WAR	NING	E: Failure to submit the surcharge fees where required will cause abandoned. 37 C.F.R. § 1.53.	the application to become
NOT	E: F	or effect on fees of failure to establish status, or change status, as a small e	entity, see 37 C.F.R. § 1.28(a).
1.	Filir	ng fee	
		original patent application (37 C.F.R. § 1.16(a)—\$740.00; Small entity—\$370.00)	\$
		design application	
		(37 C.F.R. § 1.16(f)—\$330.00; small entity—\$165.00)	\$
			\$
2.	Fee	es for claims	
		each independent claim in excess of 3 (37 C.F.R. § 1.16(b)—\$84.00; small entity—\$42.00)	\$
		each claim in excess of 20 (37 C.F.R. § 1.16(c)—\$18.00; small entity—\$9.00)	\$
		multiple dependent claim(s) (37 C.F.R. § 1.16(d)—\$280.00; small entity—\$140.00)	\$
		(Completion of Filing Requirements— Nonprovisional Ap	plication [5-1]—page 3 of 6)

_	Surcharge fees			
L	declaration or o	path late payment of filing fee (ginal (37 C.F.R. § 1.16(e)—\$1365.00);		65.00
NOTE:	under § 37 C.F.R. § 1	nd declaration or oath were missing fro 1.16(e) is that only one surcharge Fee the filing fee are submitted afterwards	need be paid whe	ther the later filed oath
<b>4.</b> [	inventors or a p	e for filing by other than all the person not the inventor (1.17(i) and 1.47—\$130.00)	<b>.</b> \$_	
<b>5.</b> [	Fee for process specification in	sing an application filed with a a non-English language	•	
<b>6.</b> [	Fee for process	sing and retention of application (2.21(I) and 1.53(d)—\$130.00)	on \$	
7.	_	e "ASSIGNMENT COVER SHE	ET".)	
NOTE:	for failing to complete to 37 C.F.R. §§ 1.53	ablishes a fee for processing and retaing the application pursuant to 37 C.F.R. § and 1.78 indicate that in order to obta fee or the processing and retention fee to paid.	\$ 1.53(f) and this, a in the benefit of a	as well as, the changes prior U.S. application, n 1 year of notification
		Total completion fees	\$	65.00
		EXTENSION OF TIME	<b>i</b>	
VII.			•	
		(complete (a) or (b), as applic	able)	
NOTE:	to conclude processing in excess of three mont objection, argument, or or action was malled or shall be reduced by the after the date of mailin rejection, objection, arg	an applicant shall be deemed to his gor examination of an application for the shat are taken to reply to any notice of prother request, measuring such three given to the applicant, in which case the enumber of days, if any, beginning on the or transmission of the Office committed of the contraction of the order of the protection of the order of period, for reply that is set in the Office.	he cumulative total raction by the Office e-month period from the period of adjustm the day after the day munication notifying the date the repl	of any periods of time the making any rejection, the date the notice tent set forth in § 1.703 the that is three months to the applicant of the y was filed. The period,
		t forth in this paragraph."	ice action or notic	e has no effect on the
	three-month period se			
§ 1.136	three-month period se proceedings herein (a) apply.  Applicant petition	t forth in this paragraph."	and the provis	sions of 37 C.F.R.
§ 1.136 (a) [	three-month period se proceedings herein (a) apply.  Applicant petitic 37 C.F.R. § 1.1 Extension	are for a patent application, ons for an extension of time, to 7(a)(1)-(4), for the total number	and the provis the fees for wi r of months ch Fee for	sions of 37 C.F.R.
§ 1.136 (a) [	three-month period se proceedings herein (a) apply.  Applicant petitic 37 C.F.R. § 1.1 Extension (months)	are for a patent application, and for an extension of time, to 7(a)(1)-(4), for the total number small entity	and the provis the fees for wi r of months ch Fee for small entity	sions of 37 C.F.R.
§ 1.136 (a) [	three-month period se proceedings herein (a) apply.  Applicant petitic 37 C.F.R. § 1.1 Extension	are for a patent application, ons for an extension of time, to 7(a)(1)-(4), for the total number	and the provis the fees for wi r of months ch Fee for	sions of 37 C.F.R.
§ 1.136 (a) [	three-month period se proceedings herein (a) apply.  Applicant petitic 37 C.F.R. § 1.1 Extension (months) one month two months three months	are for a patent application, and for an extension of time, to 7(a)(1)-(4), for the total number ree for other than small entity  \$ 110.00 \$ 400.00 \$ 920.00	and the provision the fees for what of months characteristics  Fee for small entity  \$ 55.00  \$ 200.00  \$ 460.00	sions of 37 C.F.R.
§ 1.136 (a) [	three-month period se proceedings herein (a) apply.  Applicant petitic 37 C.F.R. § 1.1 Extension (months) one month two months	are for a patent application, and for an extension of time, to 7(a)(1)-(4), for the total number fee for other than small entity  \$ 110.00 \$ 400.00	and the provision the fees for what of months characteristics  Fee for small entity  \$ 55.00  \$ 200.00	sions of 37 C.F.R.
§ 1.136 (a) [	three-month period se proceedings herein (a) apply.  Applicant petitic 37 C.F.R. § 1.1 Extension (months) one month two months three months	are for a patent application, and for an extension of time, to 7(a)(1)-(4), for the total number ree for other than small entity  \$ 110.00 \$ 400.00 \$ 920.00	and the provision the fees for what of months characteristics  Fee for small entity  \$ 55.00  \$ 200.00  \$ 460.00	sions of 37 C.F.R.
§ 1.136 (a) [	three-month period se proceedings herein (a) apply.  Applicant petitic 37 C.F.R. § 1.1 Extension (months) one month two months three months four months	are for a patent application, are for a patent application, ons for an extension of time, to 7(a)(1)-(4), for the total number fee for other than small entity  \$ 110.00 \$ 400.00 \$ 920.00 \$ 1,440.00	and the provision the fees for what of months creating the fees for small entity \$ 55.00 \$ 200.00 \$ 460.00 \$ 720.00	sions of 37 C.F.R.  nich are set out in secked below:
§ 1.136 (a) [	three-month period se proceedings herein (a) apply.  Applicant petitic 37 C.F.R. § 1.1 Extension (months) one month two months three months four months	are for a patent application, are for a patent application, and for an extension of time, for an	and the provision the fees for what of months creating the fees for small entity \$ 55.00 \$ 200.00 \$ 460.00 \$ 720.00 \$ 720.00	sions of 37 C.F.R.  nich are set out in lecked below:
§ 1.136 (a) [	three-month period se proceedings herein (a) apply.  Applicant petitic 37 C.F.R. § 1.1 Extension (months) one month two months three months four months	are for a patent application, are for a patent application, and for an extension of time, for an extension of time is required, please of the form of time is required.	and the provision the fees for what of months creating the fees for small entity \$ 55.00 \$ 200.00 \$ 460.00 \$ 720.00 \$ 720.00	sions of 37 C.F.R.  nich are set out in lecked below:
§ 1.136 (a) [	three-month period se proceedings herein (a) apply.  Applicant petitic 37 C.F.R. § 1.1 Extension (months) one month two months three months four months	are for a patent application, are for a patent application, and for an extension of time, for an extension of time is required, please of the form of time is required.	and the provision the fees for what of months creating the fees for small entity \$ 55.00 \$ 200.00 \$ 460.00 \$ 720.00 \$ 720.00	sions of 37 C.F.R.  nich are set out in lecked below:

FORM 5-1

(Rel.88—11/01 Pub.605)

(Rel.88-	-11/01	Pub.605) FORM 5-1 5-7
1401.00	That	1 OKIVI 5-1 5-1
		(check and complete the next item, if applicable)
		An extension for months has already been secured, and the fee paid therefor of \$ is deducted from the total fee due for the total months of extension now requested.
		Extension fee due with this request \$
		•
		or
(b)	<b>X</b>	Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.
		TOTAL FEE DUE
VIII.	<b></b> -	And for the S
	me	total fee due is  Completion fee(s) \$ 65.00
		Total Fee Due \$ 65.00
		PAYMENT OF FEES
IX.		
文. [文]	۸++-	school is a Claback Change and a single in the amount of C 65 00
		to Deposit Account No.
		to Credit card as shown on the attached credit card information authorization
	ت	form PTO-2038.
WAR	NING	: Credit card information should <b>not</b> be included on this form as it may become public.
		arge any additional fees required by this paper or credit any overpayment in the nner authorized above.
	A d	uplicate of this paper is attached.

(Completion of Filing Requirements— Nonprovisional Application [5-1]—page 5 of 6)

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01 FC:254

65.00 OP

## AUTHORIZATION TO CHARGE ADDITI NAL FEES

x.	
WARNING: Accurately count claims, especially multi if extra claims are authorized.	ple dependant claims, to avoid unexpected high charges
reasonable time, nor will the payer be notified	not be returned unless specifically requested within a d of such amounts; amounts over twenty-five dollars may edit to a deposit account." 37 C.F.R. § 1.26(a).
	to charge, in the manner shown above, the be required by this paper and during the entire
☐ 37 C.F.R. § 1.16(a), (f) o	r (g) (filing fees)
☐ 37 C.F.R. § 1.16(b), (c) a	and (d) (presentation of extra claims)
must only be paid or these claims cancelled set for response by the PTO in any notice of	dependent claims not paid on filing or on later presentation by amendment prior to the expiration of the time period fee deficiency (37 C.F.R. § 1.16(d)), it might be best not im fees, except possibly when dealing with amendments
37 C.F.R. § 1.16(e) (surcharge for on a date later than the filing date	r filing the basic filing fee and/or declaration e of the application)
	on fees pursuant to § 1.136(a))
☐ 37 C.F.R. § 1.17 (application pro	
as incorporating a petition for extension of tir charge all required fees, fees under § 1.17, or constructive petition for an extension of time an extension of time under this paragraph for § 1.17(a) will also be treated as a constructive	sion of time under this paragraph for its timely submission, me for the appropriate length of time. An authorization to or all required extension of time fees will be treated as a or in any concurrent or future reply requiring a petition for its timely submission. Submission of the fee set forth in the petition for an extension of time in any concurrent reply under this paragraph for its timely submission." 37 C.F.R.
37 C.F.R. § 1.18 (issue fee at or b to 37 C.F.R. § 1.311(b))	efore mailing of Notice of Allowance, pursuant
	e to a deposit account has been filed before the mailing automatically charged to the deposit account at the time § 1.311(b).
be filed in the application prior to paying wording of 37 C.F.R. § 1.28(b): (a) notification	ny change in loss of entitlement to small entity status must g, or at the time of paying issue fee" From the of change of status must be made even if the fee is paid ication is required if the change is to another small entity.
<del>-</del>	do
Reg. No. 30901	SIGNATURE OF PRACTITIONER Gregory D. Williams General Counsel
Tel. No.: (978) 927-5054 X:292	(type or print name of practitioner) New England Biolabs, Inc.  32 Tozer Road  P.O. Address
Customer No.: 28986	Beverly, MA 01915
(Completion of Filing Require	ments— Noncrovisional Apolication [5-1]—page 6 of 6)